

DESIGN UNIT STRESSES: CLASS B-1 CONCRETE, f'c = 4,000 psi REINFORCING STEEL (GRADE 60), fy = 60,000 psi

ALL DIMENSIONS SHOWN ARE IN INCH UNLESS OTHERWISE NOTED.

FOR DIMENSIONS AND SIZE AND SPACING OF REINFORCING STEEL, SEE STANDARD SHEET 703.85.

LAP ALL LONGITUDINAL BARS A MINIMUM OF 23" AT SPLICES.

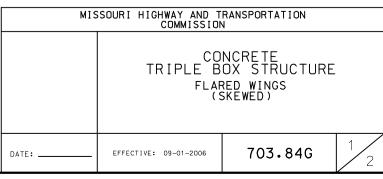
MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE $1-1/2\,^{\prime\prime}$ UNLESS DTHERWISE SHOWN.

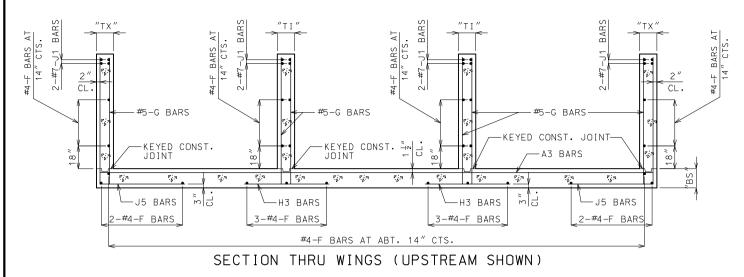
PREFORMED FIBER EXPANSION JOINT MATERIAL SHALL BE SECURELY STITCHED TO ONE FACE WITH NO. 10 GAGE COPPER WIRE OR NO. 12 GAGE SOFT DRAWN GALVANIZED STEEL WIRE.

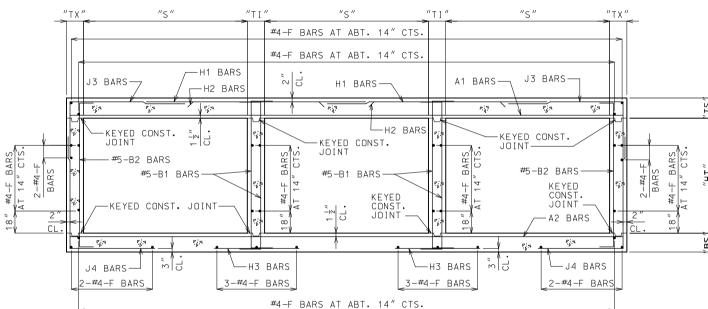
BEVELED HEADWALL TO BE LOCATED AT UPSTREAM END.

A FILTER CLOTH 3 FEET IN WIDTH AND DOUBLE THICKNESS SHALL BE APPLIED TO ALL TRANSVERSE JOINTS IN THE TOP SLAB AND SIDEWALLS. THE MATERIAL SHALL BE CENTERED ON THE JOINT AND THE EDGES SEALED WITH A MASTIC OR WITH TWO SIDED TAPE. THE FILTER CLOTH SHALL BE A GEOTEXTILE MEETING SEC 1011 FOR SUBSURFACE DRAINAGE. COST OF FURNISHING AND INSTALLING THE FILTER CLOTH WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR OTHER ITEMS.

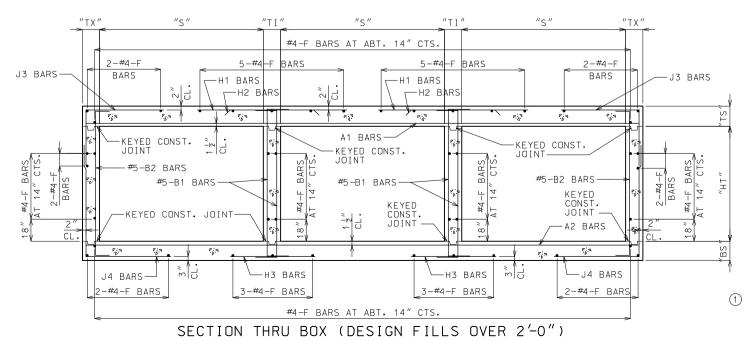
FOR MORE DETAILS AND SECTION THROUGH BOX, SEE 703.84 SHEET 2 OF 2.

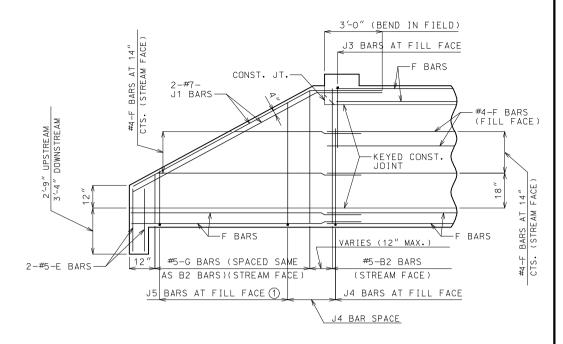






SECTION THRU BOX (DESIGN FILLS 2'-0" OR LESS)





ELEVATION OF EXTERIOR WING (UPSTREAM SHOWN)

NOTE: CONSTRUCTION JOINT KEY OMITTED FOR CLARITY.

3'-0" (BEND IN FIELD)

A1 BARS

H1 & H2 BARS

F BARS

7-7
71 BARS

KEYED CONST.

JOINT

KEYED CONST.

SECTION NEAR INTERIOR WING (UPSTREAM SHOWN)

SPACE H3 BARS

P.N |

└─F BARS

#5-G BARS (SPACED SAME

AS B1 BARS)(EACH FACE

A3 BARS

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN INCH UNLESS OTHERWISE NOTED.

J1 BARS MAY BE BENT IN FIELD OR SHOP.

2-#5-E BARS-

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FOR DIMENSIONS AND SIZE AND SPACING OF REINFORCING STEEL, SEE STANDARD SHEET 703.85.

FOR DETAILS OF REINFORCEMENT IN WINGS, SEE STANDARD SHEET 703.37.

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION			
	CONCRETE TRIPLE BOX STRUCTURE FLARED WINGS (SKEWED)		
DATE:	EFFECTIVE: 09-01-2006	703.84G	2 2

VARIES (12" MAX.)

#5-B1 BARS

(EACH FACE)

A2 BARS

#4-F BARS AT 14" CTS. (EACH FACE